

DECLARATION FOR UTILITY PATENT APPLICATION

AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residence, post office address, and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: GENE THERAPY FOR CONGESTIVE HEART FAILURE, the specification of which:

was filed on Dec. 27, 1999 as United States Application Serial No. 09/472,667.

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing (day/month/year)	Priority Claimed?
			<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date
60/058,209	September 5, 1996
60/048,933	June 16, 1997

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status
08/924,757	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
09/008,097	January 16, 1998	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
PCT/US97/15610	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

25 AUG 2000


 Date Name: H. Kirk Hammond
 Residence: La Jolla, CA
 Citizenship: United States
 Post Office Address: 9537 La Jolla Farms Road, La Jolla, CA 92037

Date Name: Paul A. Insel
 Residence: San Diego, CA
 Citizenship: United States
 Post Office Address: 8660 Kilbourn Drive, San Diego, CA 92037

Date Name: Peipei Ping
 Residence: Louisville, KY
 Citizenship: United States
 Post Office Address: 3500 Winterberry Circle, Louisville, KY 40207

Date Name: Steven R. Post
 Residence: Lexington, KY
 Citizenship: United States
 Post Office Address: 2185 Sallee Drive, Lexington, KY 40536-0928

Date Name: Meihua Gao
 Residence: San Diego, CA
 Citizenship: China
 Post Office Address: 10750 Pacific Canyon Way, San Diego, CA 92121

DECLARATION FOR UTILITY PATENT APPLICATION

AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residence, post office address, and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: GENE THERAPY FOR CONGESTIVE HEART FAILURE, the specification of which:

was filed on Dec. 27, 1999 as United States Application Serial No. 09/472,667.

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing (day/month/year)	Priority Claimed?
			<input type="checkbox"/> Yes <input type="checkbox"/> No

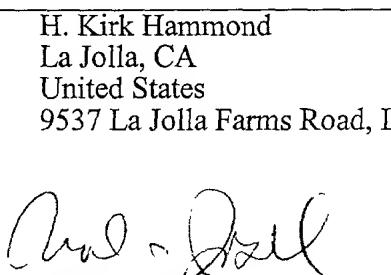
I hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date
60/058,209	September 5, 1996
60/048,933	June 16, 1997

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status
08/924,757	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
09/008,097	January 16, 1998	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
PCT/US97/15610	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date 
 Name: H. Kirk Hammond
 Residence: La Jolla, CA
 Citizenship: United States
 Post Office Address: 9537 La Jolla Farms Road, La Jolla, CA 92037

Aug 18, 2000 
 Date
 Name: Paul A. Insel
 Residence: San Diego, CA
 Citizenship: United States
 Post Office Address: 8660 Kilbourn Drive, San Diego, CA 92037

Date
 Name: Peipei Ping
 Residence: Louisville, KY
 Citizenship: United States
 Post Office Address: 3500 Winterberry Circle, Louisville, KY 40207

Date
 Name: Steven R. Post
 Residence: Lexington, KY
 Citizenship: United States
 Post Office Address: 2185 Sallee Drive, Lexington, KY 40536-0928

Date
 Name: Meihua Gao
 Residence: San Diego, CA
 Citizenship: China
 Post Office Address: 10750 Pacific Canyon Way, San Diego, CA 92121

DECLARATION FOR UTILITY PATENT APPLICATION

AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residence, post office address, and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: GENE THERAPY FOR CONGESTIVE HEART FAILURE, the specification of which:

was filed on Dec. 27, 1999 as United States Application Serial No. 09/472,667.

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing (day/month/year)	Priority Claimed?
			<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date
60/058,209	September 5, 1996
60/048,933	June 16, 1997

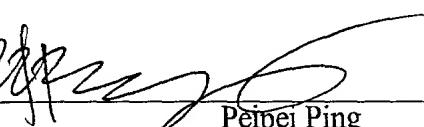
I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status
08/924,757	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
09/008,097	January 16, 1998	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
PCT/US97/15610	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date Name: H. Kirk Hammond
 Residence: La Jolla, CA
 Citizenship: United States
 Post Office Address: 9537 La Jolla Farms Road, La Jolla, CA 92037

Date Name: Paul A. Insel
 Residence: San Diego, CA
 Citizenship: United States
 Post Office Address: 8660 Kilbourn Drive, San Diego, CA 92037

August 29th, 2000 
 Date Name: Peipei Ping
 Residence: Louisville, KY
 Citizenship: United States
 Post Office Address: 3500 Winterberry Circle, Louisville, KY 40207

Date Name: Steven R. Post
 Residence: Lexington, KY
 Citizenship: United States
 Post Office Address: 2185 Sallee Drive, Lexington, KY 40536-0928

Date Name: Meihua Gao
 Residence: San Diego, CA
 Citizenship: China
 Post Office Address: 10750 Pacific Canyon Way, San Diego, CA 92121

DECLARATION FOR UTILITY PATENT APPLICATION

AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residence, post office address, and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: GENE THERAPY FOR CONGESTIVE HEART FAILURE, the specification of which:

was filed on Dec. 27, 1999 as United States Application Serial No. 09/472,667.

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing (day/month/year)	Priority Claimed?
		.	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date
60/058,209	September 5, 1996
60/048,933	June 16, 1997

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status
08/924,757	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
09/008,097	January 16, 1998	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
PCT/US97/15610	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date Name: H. Kirk Hammond
 Residence: La Jolla, CA
 Citizenship: United States
 Post Office Address: 9537 La Jolla Farms Road, La Jolla, CA 92037

Date Name: Paul A. Insel
 Residence: San Diego, CA
 Citizenship: United States
 Post Office Address: 8660 Kilbourn Drive, San Diego, CA 92037

Date Name: Peipei Ping
 Residence: Louisville, KY
 Citizenship: United States
 Post Office Address: 3500 Winterberry Circle, Louisville, KY 40207

8-30-00 Steven Post
 Date Name: Steven R. Post
 Residence: Lexington, KY
 Citizenship: United States
 Post Office Address: 2185 Sallee Drive, Lexington, KY 405¹³~~56~~-0928

Date Name: Meihua Gao
 Residence: San Diego, CA
 Citizenship: China
 Post Office Address: 10750 Pacific Canyon Way, San Diego, CA 92121

DECLARATION FOR UTILITY PATENT APPLICATION

AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residence, post office address, and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: GENE THERAPY FOR CONGESTIVE HEART FAILURE, the specification of which:

was filed on Dec. 27, 1999 as United States Application Serial No. 09/472,667.

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing (day/month/year)	Priority Claimed?
			<input type="checkbox"/> Yes <input type="checkbox"/> No

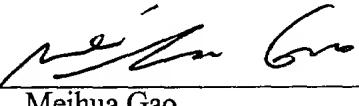
I hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date
60/058,209	September 5, 1996
60/048,933	June 16, 1997

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status
08/924,757	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
09/008,097	January 16, 1998	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
PCT/US97/15610	September 5, 1997	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date	Name: H. Kirk Hammond Residence: La Jolla, CA Citizenship: United States Post Office Address: 9537 La Jolla Farms Road, La Jolla, CA 92037
Date	Name: Paul A. Insel Residence: San Diego, CA Citizenship: United States Post Office Address: 8660 Kilbourn Drive, San Diego, CA 92037
Date	Name: Peipei Ping Residence: Louisville, KY Citizenship: United States Post Office Address: 3500 Winterberry Circle, Louisville, KY 40207
Date	Name: Steven R. Post Residence: Lexington, KY Citizenship: United States Post Office Address: 2185 Sallee Drive, Lexington, KY 40536-0928
<u>8-25-00</u> Date	 Name: Meihua Gao Residence: San Diego, CA Citizenship: China Post Office Address: 10750 Pacific Canyon Way, San Diego, CA 92121